



APRIL 22, 1999

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ASSIGNOR:

MALCOLM, MICHAEL

DOC DATE: 11/10/1998

ASSIGNOR:

ZAENKE, ROBERT

DOC DATE: 11/18/1998

ASSIGNEE:

CACHEFLOW, INC. 650 ALMANOR AVENUE

SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09093533

PATENT NUMBER:

FILING DATE: 06/08/1998

ISSUE DATE:

DOROTHY RILEY, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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	01-29-1999 U.S. Department of Commerce		
Expires 06/30/99 OMB 0651-0027	Patent and Trademark Office		
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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date		
Name (line 1) MICHAEL MALCOLM	Month Day Year		
Name div. o			
Second Party	Execution Date Month Day Year		
Name (line 1) ROBERT ZARNKE	Nov. 18, 1998		
Name (line 2)	i		
Receiving Party	Mark if additional name of marking and		
Name (line 1) CacheFlow, Inc.	Mark if additional names of receiving parties attached If document to be recorded		
realite (line i) Coords low, inc.	is an assignment and the receiving party is not		
Name (line 2)	domicited in the United States, an appointment		
Address (line 1) 650 Almanor Avenue	of a domestic representative is attached. (Designation must be a		
Address (line 2)	separate document from Assignment.)		
Address (line 3) Sunnyvale	CA 94086 State/Country Zip Code		
Domestic Representative Name and Address Enter for the first Receiving Party only.			
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01/29/1999 DHGUYEH 00000014 09093533

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Expires 06/30/99 OMB 0651-0027		Page 2	Patent and Trademark Office PATENT		
Correspond	ent Name and Address	Area Code and Telephone Number	er 650.947.0700		
Name	Steven A. Swernofsky	Reg. N	lo. 33,040		
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09/093,533					
If this document is signed by the first	is being filed together with a <u>new</u> Pater st named executing inventor.	nt Application, enter the date the patent appli	cation was Month Day Year		
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Enclosed X Denosit Account					
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(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 500365					
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.					
Steven A. Sw	vernofsky	54 Swempfoke	Jan. ² (, 1999		
Name	of Person Signing	Signature	Date		

ASSIGNMENT

WHEREAS, we, Michael Malcolm, a citizen of the United States, residing at 521 Shelby Lane, Los Altos, California, and Robert Zarnke, a citizen of Canada, residing at 383 Parkgreen Place, Waterloo, Ontario N2L 5S6, Canada, have invented a "Network Object Cache Engine" for which we have executed application papers for a U.S. patent thereon, which was filed on June 8, 1998, Serial No. 09/093,533; and

WHEREAS, CacheFlow, Inc., corporation, having a place of business at 650 Almanor Ave., Sunnyvale, California 94086, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Michael Malcolm and Robert Zarnke, do sell, assign, transfer and set over unto the said CachFlow, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said CacheFlow, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HA	ND at		, this	day of
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middle	W. h. h	Cl. L	Plx 2	Z. l.
Michael Malcolm	-www.	Robert Zarnke	rover f	aane_
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STATE OF WASHINGTON)			٠
COUNTY OF) ss.)		·	
On this	day of	, 1998, before m	e,	
Zarnke personally known to n whose names are subscribed same in their authorized cap entity upon behalf of which the	d to the within instrume pacities, and that by the	the basis of satisfa ent and acknowled eir signatures on t	actory evidence) to liged to me that they he instrument the p	be the persons y executed the
WITNESS my hand a	nd official seal.			
		NOTARY PUBLIC		

PROVINCE OF ONTARIO, CANADA	`
Regional Municipality of Waterloo	

On this 18th day of November, 1998, before me, Thomas D. Beynon, a Notary Public, personally appeared Robert Zarnke personally known to me to be one of the persons whose name is subscribed in that certain Assignment made by Michael Malcolm and Robert Zarnke in favour of Cacheflow, Inc. being an Assignment of their interest in the application for a U.S. Patent filed on June 8, 1998, having Serial No. 09/093,533 and he has acknowledged to me that he has executed the same in his personal capacity and that by his signature on the instrument he has executed the said Assignment.

WITNESS my hand and official seal.

Thomas D. Beynon/Notary Public

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State of <u>California</u> County of <u>Santa Clara</u> On <u>Nov 10, 1998</u> before me	Desirce D. Baker, No tary Public, NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"		
personally appeared Michael M	Talcoln,		
	oved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  WITNESS my hand and official seal.		
	SIGNATURE OF NOTARY		
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SIGNER IS REPRESENTING: NAME OF PERSON(S) OR ENTITY(IES)  Se 14	Robert Zamke SIGNER(S) OTHER THAN NAMED ABOVE		